

K-G.9# - STEWARDSHIP PROJECTS - Attachment 1.1

Project 1 - Treatment of Slash/fuels - All Subdivisions

Desired End Result: Treat slash/fuels in all subdivisions totaling 83 acres to the following specifications;

0-3 inch material - 6.3 Tons/acre

3-9 inch material - 4.8 Tons/acre

Residual slash will not be greater than 8-12 Tons/acre

Excess slash is piled at the landing

Project Location: The location of the work sites are shown on the Contract Area Map. This project work will occur within all subdivisions.

Technical Specifications:

- A. All created slash less than 3 inches in diameter on the large end and over 3 feet long shall be treated by removing and piling at a designated location to meet required fuel loadings.

**Referenced in USDA Forest Service General Technical Report PNW-GTR-258 Photo Series for Quantifying Forest Residues in the Douglas-fir - Hemlock type of the Willamette National Forest on pages 46 and 47; the 1-DFWH-PRE-19. See attachment 1.2.*

- B. All created slash between 3 and 9 inches in diameter on the large end and over 3 feet long shall be treated by removing and piling at a designated location to meet required fuel loadings.

**Referenced in USDA Forest Service General Technical Report PNW-GTR-258 Photo Series for Quantifying Forest Residues in the Douglas-fir - Hemlock type of the Willamette National Forest on pages 12 and 13; the 1-DFWH-PRE-02. See attachment 1.3.*

Contractor Obligations: The Offeror shall furnish all equipment, materials, supervision, transportation and supplies to complete this project.

Acceptable Quality level: Acceptance of the work will be made when the work is completed and will be determined by the Government Representative through an inspection of the provided product and the area. This will be based on adherence to the work specifications the contract and will be reconciled by the government with out any further compensation.

The Operator is to notify the contract administrator of startup at least 2 days prior to startup of operations. Operations will be inspected regularly to insure feasibility and appropriate implementation of contract specifications. Specific parameters to be inspected will be in-accordance with the referenced K-G.7.4.2#

Contract Name: 7 Thin Stewardship

The government will determine compliance of contract specifications through informal, 100 percent visual inspections. In the event visual inspection indicates work to be in non-compliance with specifications, a series of verification plots will be installed by the Government to determine compliance with specifications and percent of satisfactory work. The Contractor or a designated representative is encouraged to observe inspections while they are underway. Failure to meet specifications will require prompt corrective action.

DOWN AND DEAD
WOODY FUEL LOADING

Size class (inches)	Load (tons/acre)	Mean diam. ^a (inches)	
		sound	rot
0.0-0.25	1.0	0.1	
0.26-1.0	1.6	.5	
1.1-3.0	3.7	1.7	
<hr/>			
Subtotal			
0-3 in	6.3		
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3.1-9.0	9.3	5.4	6.1
9.1-20.0	21.9	14.3	13.1
>20.0	115.3	32.2	21.1
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Subtotal			
>3 in	146.5	18.6	14.6
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TOTAL	152.8		

^a Mean diam = quadratic mean



STEREO PAIR: 1-DFWH-PRE-19



ADDITIONAL FUEL INFORMATION

Sound residue >3-inch diameter:	W. hemlock	56%	Average residue depth:	0.8 ft
	True fir	16%		
	Other	20%		
Rotted residue >3-inch diameter:		8%	Average duff depth:	4.0 in

Percent residue >3-inch diameter is based on number of logs.

DOWN AND DEAD
WOODY FUEL LOADING

Size class (inches)	Load (tons/acre)	Mean diam. ^a (inches)	
		sound	rot
0.0-0.25	1.1	0.1	
0.26-1.0	1.9	.5	
1.1-3.0	5.5	1.7	
<hr/>			
Subtotal			
0-3 in	8.4		
<hr/>			
3.1-9.0	4.8	5.1	5.6
9.1-20.0	5.1	12.3	11.4
>20.0	2.3		22.3
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Subtotal			
>3 in	12.3	6.9	8.8
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TOTAL 3-9 in	20.7	4.8	

^a Mean diam.=quadratic mean.



STEREO PAIR: 1-DFWH-PRE-02



ADDITIONAL FUEL INFORMATION

Sound residue > 3-inch diameter:	Douglas-fir	52%	Average residue depth:	0.3 ft
	Other	14%	Average duff depth:	0.2 in
Rotted residue > 3-inch diameter:		34%		

Percent residue > 3-inch diameter is based on number of logs.

Project 2: Road 1900393 Restoration

Desired End Result: The stabilization of Road 1900393 and restoration for project activity needs. This road will then be restored to a hydrological stable condition to drain properly and protect water quality.

Project Location: The location of the work sites are shown on the Contract Area Map. This project work will occur within and adjacent to subdivision #15.

Technical Specification: Prior to the use of Road 1900393 the Offeror will need to perform the following work to provide minimum access required for Offeror's operations and associated Forest Service contract administration.

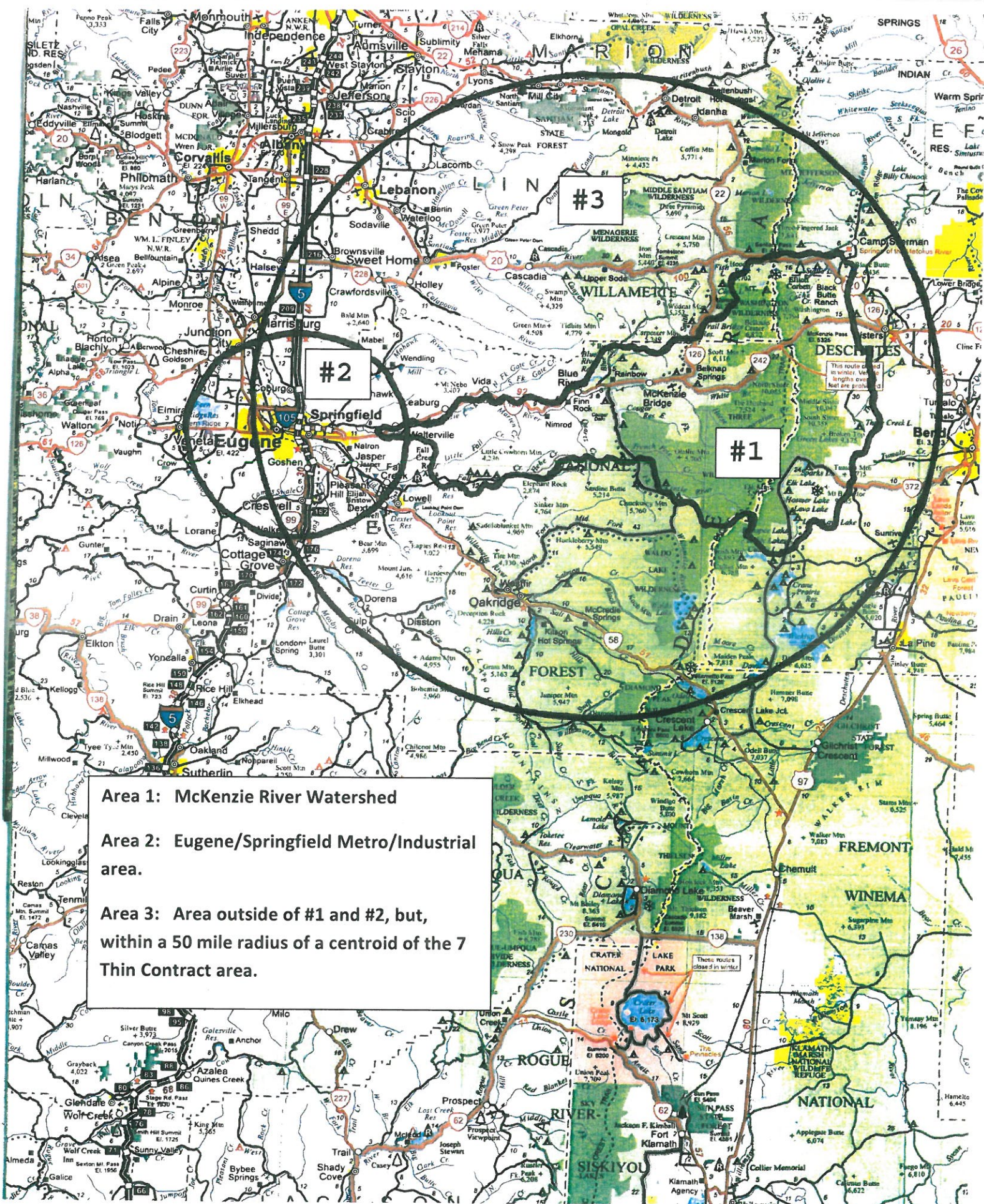
1. Cutting roadway vegetation to a minimum width and height, as per, T-spec 842 and K-F.3.1#.
2. Filling existing cross ditches and waterbars, filling road scours and reshaping the travel way for drainage, as per, T-spec 839 and K-F.3.1#
3. Placing 50 CY offeror provided crushed aggregate (3" minus) at locations staked by the Forest Service, as per, T-spec 813 and K-F.3.1#
4. Upon completion of project activities this road will be physically blocked to traffic. The road will be restored to a hydrologically stable condition to drain properly and protect water quality.
 - a. Shape travel way and roadbed to drain, T-spec 839,
 - b. Install cross ditches/water bars (5 to 7) at locations staked by the Forest Service, as per T-spec 835, T-spec 839, and K-F.3.1#,
 - c. One (1) road closure, earth berm at location staked by the Forest Service, as per T-spec 835, T-spec 839, and K-F.3.1#.

Contractor Obligations: The Offeror shall furnish all equipment, materials supervision, transportation and supplies to complete this project.

Acceptable Quality level: Acceptance of the work will be made when the work is completed and will be determined by the Government Representative through an inspection of the provided product and the area and will be based on adherence to the work specifications. Any conflicts between this project document and specifications/clauses required under the timber sale portion of the contract will be reconciled by the Government with no additional relief to the Contractor.

The Operator is to notify the contract administrator of startup at least 2 days prior to startup of operations. Operations will be inspected regularly to insure feasibility and appropriate implementation of contract specifications. Specific parameters to be inspected will be in accordance with the referenced T-specs and K-F.3.1#

The government will determine compliance of contract specifications through informal, 100 percent visual inspections. In the event visual inspection indicates work to be in non-compliance with specifications, a series of verification plots will be installed by the Government to determine compliance with specifications and percent of satisfactory work. The Contractor or a designated representative is encouraged to observe inspections while they are underway. Failure to meet specifications will require prompt corrective action.



A. Table of Mandatory and Optional Stewardship Projects. See A.4.3 or A.4.4, and K-G.9 in the sample contract for more information.

Project No.	Mandatory or Optional (M or O)	Description	Unit of Measure	Quantity
1	M	Treatment of slash/fuels	Acres	83 acres
2	M	Road 1900393 restoration	miles	0.2 miles

B. Table of Restricted Operating Periods Applicable to Timber Removal.

Restriction <u>1/</u>	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Cascade Elk hunt										3 rd week		
In stream road work							7 th thru	15th				
Subdivision 15 all contractual requirements <u>1/</u>	X	X	X	X	X						X	X

1/ Refer to contract provisions K-G.3.1.5# in the sample contract for specific dates and restrictions.

C. Contractors are to submit as part of their proposal package the number of copies indicated below.

Item description	No. of Copies
Offer Form FS-2400-14BV signed by Contractor	1
Technical Proposal	5
Business/Cost Proposal	1

D. Subdivision Volume and Logging Systems Summary

Sub.	Logging System	Acres	Contr. Code	DF&O Sawtimber Tons <u>1/</u>
15	GB	7	DxD	467
20	GB	51	DxD	3390
211	GB	2	DxD	133
24	GB	20	DxD	1328
201	GB	1	DxD	172
203	GB	1	DxD	172
205	GB	1	DxD	172
TOTALS		83	////////	5834
CCF to TON factor		////////	////////	3.0499

1/ Refer to A.2, provisions K-C.3.5.7# and K-G.4.2# in the sample contract for specifics.